The Summer Training Course provides intense exposure to current concepts in experimental aging research for 15-20 research scientists. It is designed primarily for junior faculty and advanced fellows with at least two years postdoctoral experience in cell or molecular biology or a related field. Senior scientists who wish to learn about current aging research are also welcome.

Each day includes: i) overview lectures on a pivotal topic in modern aging research; ii) development workshops at which students present research ideas and plans for constructive critique; iii) faculty research talks on selected topics.

Faculty for the 2010 course include: Nir Barzilai, Rita Effros, Brian Kennedy, Steven Austad, Peter Hornsby, and Arlan Richardson with additional guest lectures by local faculty. Faculty director: Dr. Peter Hornsby. No course fee. Travel, accommodation and meals are covered by funds from the National Institute on Aging and the Barshop Institute’s Nathan Shock Center. Accommodations will be provided at the Hilton Hill Country Hotel and Spa (http://www.hiltonsanantoniohc.com/).

Preliminary course topics include:

- evolutionary biology of aging
- genomic damage and aging
- invertebrate models to study aging
- how to design an animal experiment
- role of mitochondria in aging
- comparative biology of aging
- epigenetic damage and aging
- calorie restriction and nutrients
- stress resistance and longevity
- role of telomeres in aging

Application deadline: March 15, 2010

Application requirements: CV, publication list, 1-page description of research interests, and 1 letter of recommendation.

Send application by email to: jenkins@buckinstitute.org

For inquiries, email the faculty director at hornsby@uthscsa.edu

http://www.buckinstitute.org/TheScience/training/default.asp